

44/3

8 January 1957

MEMORANDUM FOR: THE RECORD

SUBJECT : Visit [REDACTED]

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1. TIME & PLACE OF MEETING: The meeting was held at [REDACTED]
[REDACTED] from 21 December 1956 to 3 January 1957.

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2. ATTENDANCE: [REDACTED]

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3. DISCUSSION:a. P-163B - ST-2 Transmitters

The final 15 transmitters were ready for delivery; only ten were hand carried back to Washington by the undersigned. The remaining five are to be used in future tests. These tests are to determine how well transmitter, namely the ST-2 and J-163C, operate [REDACTED]

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Variation of the above basic mold will be used to simulate different conditions.

The final specifications for the ST-2 transmitters were gone over by [REDACTED] and the undersigned. The only point left in question was the procedure for selecting the tubes to give the desired output and low starting voltage in the oscillator circuit. A trial and error method was used for our production, but there is the possibility that a way has been found to predetermine what tube will operate satisfactorily.

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[REDACTED] desired a little more time to consider this new solution before finalizing this portion of the specifications.

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The accessories for the ST-2 transmitters were hand carried to Washington by the undersigned.

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6 each - Power Transformers 6/12 volts to 115 volts 50/60 cps

12 each - Auto transformers 115 volts output, 50/60 cps

12 each - Auto transformers 220 volts output, 50/60 cps

25 each - Tuning indicators

24 each - Antenna adjusters

APD will hold one of each of the above and thenast will be made available to ASD.

b. P-163C - VHF, AM Transmitter (J-163C)

A three month extension has been requested for this task; the delivery date is 15 March 1957. The units were completed on time; this extension is to continue environmental tests such as temperature, vibration, shock, humidity, and altitude. Testing [] as mentioned under P-163B above, will also be undertaken.

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c. P-177 - [] Transmitter

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Six [] Transmitters with accessories will be ready some time in February

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d. Ad Hoc #43 - []

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The undersigned was informed by [] TSS/ED, that the company that made the transducer should have the decoder built in 3 - 5 months. [] plans to have the transmitter and receiver ready one month in advance of the completion of the decoder. This is in order that the final decoder can be built around the receiver. [] will inform the undersigned as soon as he, [], knows more precisely the expected delivery date for the decoder.

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e. Ad Hoc #44 - Carrier Current Transmitters

Six transmitters for 110-220, 50-60 will be furnished during the month of January. These units will have an internal and an external mic. The two receivers will not be finished until some time in February. Tests show that broadcast receivers will pick up signals off the line as low as 140 uV. This means the operation people will have to be careful where they install these units.

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f. P-193 - RT Transmitters

As a result of recent emphasis on reliability, it is hoped that all the components of this pilot production run of 20 RT-2 transmitters and 10 RT-2 receivers on 10.9 MC will have been given life tests. The specific tests for each component has not been decided. The transistors have already been started on their tests.

The undersigned hand carried to Washington the following:

- 6 - RT-3 Transmitters (Rect) 54 Mc FM
- 2 - RT-2 Transmitters (Rect) 15 Mc AM
- 2 - RT - 2A Transmitters (Tubuar) 15 Mc AM
- 6 - AC power supplies for RT units

These units were made for evaluation by TBS/APD.

g. P-77 - RS-1 Radio Switch

The radio switch situation was discussed with a mind toward building 10 more systems. The original R & D specifications were modified to give a more realistic picture; some specifications were too tight, others too loose. The results of the talks are being included in the coming progress report.

The progress reports are to be done quarterly in the future per agreement between the contractor and the Agency.

h. P-77 - [redacted]

The [redacted] was worked on continuously all the time the undersigned was there. But, due to unforeseeable technical difficulties, operational tests were unable to be carried out. The system is being hand carried to Washington by [redacted] on 12 January 1957.

[redacted]
TBS/APD

Distribution:

- P-163B - 1
- P-163C - 1
- P-177 - 1
- AH-43 - 1
- AH-44 - 1
- P-193 - 1
- P-77 - 1

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